

Title (en)
DRYING ELEMENT

Publication
EP 0438410 B1 19930127 (DE)

Application
EP 89906100 A 19890524

Priority
DE 3835000 A 19881014

Abstract (en)
[origin: WO9003888A1] In a compact drying element for use in the drying section of a printer, hot blown air is produced in that a heating tube (48) is heated from the outside by an infrared radiator (66) extending parallel to said heating tube. The hot blown air reaches a blower duct (50, 60) extending parallel to the heating tube (48) over a 180 DEG bend (52). A reflector (34, 36) surrounding the heating tube/blower duct unit reflects infrared rays onto the heating tube (48) and delivers the radiation energy it has absorbed to a secondary air current (82, 84), which is mixed into the main hot air current near the outlet of the blower duct (50, 60).

IPC 1-7
B41F 23/04; F26B 3/30

IPC 8 full level
B41F 23/04 (2006.01); **F26B 3/28** (2006.01); **F26B 3/30** (2006.01); **F26B 21/00** (2006.01); **F26B 23/04** (2006.01)

CPC (source: EP US)
B41F 23/0413 (2013.01 - EP US); **B41F 23/0426** (2013.01 - EP US); **F26B 3/283** (2013.01 - EP US); **F26B 21/004** (2013.01 - EP US)

Cited by
WO2011072895A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9003888 A1 19900419; DE 3835000 A1 19900419; DE 58903419 D1 19930311; EP 0438410 A1 19910731; EP 0438410 B1 19930127; JP H04502887 A 19920528; US 5159763 A 19921103

DOCDB simple family (application)
EP 8900572 W 19890524; DE 3835000 A 19881014; DE 58903419 T 19890524; EP 89906100 A 19890524; JP 50549889 A 19890524; US 65544291 A 19910228